

ABSTRACT OF THE DISCLOSURE

A ground contamination detector has a duct (21) having an annular opening (21a). The annular opening blows air toward the ground (1) to form an air curtain that defines an enclosed space (2A) between the duct and the ground. The detector also has a pipe (23) having a nozzle that opens in the enclosed space and jets heated air toward the ground, to promote the evaporation of noxious substance (3) and diffuse the evaporated gas in the enclosed space. The detector also has a suction pipe (24) to suck the evaporated gas from the enclosed space and a sensor (25) to analyze the sucked gas. The enclosed space formed by the air curtain defines a detection area on the ground, and the detector collects and analyzes contaminants in the enclosed space in a noncontact way. The detector is installable on a vehicle, to efficiently detect the presence and position of contaminants on the ground in real time.